

## Html file

## Class File

```
package com;
```

```
import org.hibernate.SessionFactory;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
```

```
public class HibernateUtil {
```

```
    private static final SessionFactory sessionFactory;
```

```
    static {
        try {
```

```
            StandardServiceRegistry standardRegistry = new
StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();
            Metadata metaData = new
MetadataSources(standardRegistry).getMetadataBuilder().build();
            sessionFactory = metaData.getSessionFactoryBuilder().build();
        } catch (Throwable th) {
            throw new ExceptionInInitializerError(th);
        }
    }
```

```
    public static SessionFactory getSessionFactory() {
        return sessionFactory;
    }
}
```

## Servlet file

package com;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.List;

import javax.xml.bind.\*;

import java.io.Serializable;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

public class Listproducts extends HttpServlet {  
    private static final long serialVersionUID = 1L;

    public Listproducts() {  
        super();

    }

    protected void doGet(HttpServletRequest request,  
    HttpServletResponse response) throws ServletException, IOException {

        try {

            SessionFactory factory = HibernateUtil.getSessionFactory();

            Session session = factory.openSession();

            // using HQL

            List<EProduct> list = session.createQuery("select \* from  
EProduct").list();

            session.close();

            PrintWriter out = response.getWriter();

```

        out.println("<html><body>");
        out.println("<b>Product Listing</b><br>");
        for(EProduct p: list) {
            out.println("ID: " + String.valueOf(p.getID()) + ", Name: " +
p.getName() + "<br>");
        }

        out.println("</body></html>");

    } catch (Exception ex) {
        throw ex;
    }

}

protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {

}

}

```